

<b>REPLACEMENT INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)</b>	<b>Application Number</b>		12/727,531
	<b>Filing Date</b>		March 19, 2010
	<b>First Named Inventor</b>	Mark T. Montgomery	
	<b>Art Unit</b>		2821
	<b>Examiner Name</b>		Kyana Rashawn McCain
	<b>Attorney Docket Number</b>		5000-0003

<b>U.S.PATENTS</b>						
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

<b>U.S.PATENT APPLICATION PUBLICATIONS</b>						
Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

<b>FOREIGN PATENT DOCUMENTS</b>								
Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>

<b>NON-PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
		DIALLO, "Estimation Of The Diversity Performance Of Several Two-Antenna Systems In Different Propagation Environments", Antennas and Propagation Society International Symposium, 2007 IEEE, pgs. 2642-2645, 9-15 June 2007.	
		DIALLO, "Evaluation Of The Performances Of Several Four-Antenna Systems In A Reverberation Chamber", Antenna Technology: Small and Smart Antennas Metamaterials and Applications, 2007, IWAT '07, International Workshop, pgs. 166-169, 21-23 March 2007.	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>REPLACEMENT                  INFORMATION DISCLOSURE                  STATEMENT BY APPLICANT</b> (Not for submission under 37 CFR 1.99)	<b>Application Number</b>		12/727,531
	<b>Filing Date</b>		March 19, 2010
	<b>First Named Inventor</b>	Mark T. Montgomery	
	<b>Art Unit</b>		2821
	<b>Examiner Name</b>	Kyana Rashawn McCain	
	<b>Attorney Docket Number</b>		5000-0003

		DIALLO, "MIMO Performance Of Enhanced UMTS Four-Antenna Structures For Mobile Phones In The Presence Of The User's Head", Antennas and Propagation Society International Symposium, 2007 IEEE, pgs. 2853-2856, 9-15 June 2007.	
		DIALLO, "Reverberation Chamber Evaluation Of Multi-Antenna Handsets Having Low Mutual Coupling And High Efficiencies", Proceedings of The European Conference on Antennas and Propagation: EuCAP 2006 (ESA SP-626), Nice, France, 6-10 November 2006.	
		RANVIER, "Capacity Enhancement by Increasing Both Mutual Coupling and Efficiency: a Novel Approach", Antennas and Propagation Society International Symposium, 2007 IEEE, pgs. 3632-3635, June 9-15, 2007.	
		RANVIER, "Mutual Coupling Reduction For Patch Antenna Array", Proceedings of The European Conference on Antennas and Propagation: EuCAP 2006 (ESA SP-626), Nice, France, 6-10 November 2006.	
		WALLACE, "Mutual Coupling in MIMO Wireless Systems: A Rigorous Network Theory Analysis", Wireless Communications, IEEE Transactions, pgs. 1317-1325, Vol. 3, No. 4, July 2004.	
		WALLACE, "The Capacity of MIMO Wireless Systems with Mutual Coupling", Vehicular Technology Conference, 2002. Proceedings. VTC 2002-Fall, IEEE 56 <sup>th</sup> , pgs. 696-700, Vol. 2.	
<b>EXAMINER SIGNATURE</b>			
Examiner Signature		Date Considered	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>REPLACEMENT INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)</b>	<b>Application Number</b>		12/727,531
	<b>Filing Date</b>		March 19, 2010
	<b>First Named Inventor</b>	Mark T. Montgomery	
	<b>Art Unit</b>		2821
	<b>Examiner Name</b>	Kyana Rashawn McCain	
	<b>Attorney Docket Number</b>		5000-0003

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

### CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e) (1).

**OR**

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e) (2).

See attached certification statement.

Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

None

#### SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Ed Guntin/	Date (YYYY-MM-DD)	
Name/Print	Ed Guntin	Registration Number	41049

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>REPLACEMENT INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Not for submission under 37 CFR 1.99)	<b>Application Number</b>	12/727,531
	<b>Filing Date</b>	March 19, 2010
	<b>First Named Inventor</b>	Mark T. Montgomery
	<b>Art Unit</b>	2821
	<b>Examiner Name</b>	Kyana Rashawn McCain
	<b>Attorney Docket Number</b>	5000-0003

Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**